CIRRUS LOGIC®

ARM®

Engineering Development Kit for the EP9302 Processor

The EDB9302A-Z development kit is a convenient, user-friendly, system-oriented platform that provides engineers with the necessary hardware, software, and drivers to evaluate and utilize the EP9302 processor capabilities, features and state-of-the-art technology. Performance is provided by a 200MHz ARM920T processor and features highly integrated peripheral interfaces.

Applications:
• Digital Media Servers • Jukeboxes • Telematic Control Systems • Set-Top Boxes • Point-of-Sale Terminals • Industrial Controls • Biometric Security Systems • GPS Devices • Touch screens • Highly integrated Remote Controls

EDB9302 Platform Support and Features:
• EP9302A processor • Linux® and Microsoft Windows® WinCE 4.2 and 5.0 Operating Systems • 32MB of SDRAM • 16MB of Flash Memory • Serial EEPROM interface • Real Time Clock • USB Host and Slave Connector • Two UARTS • Stereo audio input and output • 10/100Mbps Ethernet • IR Receiver • JTAG • Memory bus expansion connector

Downloadable Development Software:
• A complete Linux® Operating System with drivers (source code included) • BSP for Microsoft® Windows® WinCE 5.0 Operating Systems with drivers included • Evaluation copies of popular tools • Schematics and Gerbers • User Documentation

Kit Includes:
• Quick Start Guide • 4" x 6" form factor EDB9302A-Z Processor Board with 200MHz processor • Microsoft® Windows® WinCE 5.0 Operating System • Power Supply • Serial Cable

598-1132-ND (EDB9302A-Z) — ***RoHS Compliant*** **$312.50**

Embedded Processor Development System for EP9312/EP9315

The EDB9315A-Z development kit is a convenient, user-friendly, system-oriented platform that provides engineers with the necessary hardware, software, and drivers to evaluate and utilize the EP9312/EP9315 processor capabilities, features and state-of-the-art technology. Performance is provided by a 200MHz ARM920T processor and features highly integrated peripheral interfaces including XGA LCD support with graphics accelerator and optional PCMCIA support.

EDB9315A-Z Platform Support and Features: • EP9315 processor • Linux® and Microsoft® Windows® WinCE 5.0 Operating Systems • 64MB of SDRAM • 32MB of Flash Memory • Serial EEPROM interface • 512KB SRAM • Real Time Clock • 2D Graphic Accelerator • Video Raster/LCD interface to provided data and interface signals for a variety of display types • Four-wire touchscreen interface • Supports analog VGA connection • Two full-speed USB host connections • USB slave connector • Two UARTS • Up to six-channel 24-bit audio output • AC'97 audio • 10/100Mbps Ethernet • IR Receiver • JTAG • Memory bus expansion connector

Downloadable Development Software: • A complete Linux® Operating System with drivers (source code included) • BSP for Microsoft® Windows® WinCE 5.0 Operating Systems with drivers included • Evaluation copies of popular tools • Schematics and Gerbers • User Documentation

Kit Includes: • Quick Start Guide • 4" x 6" form factor EDB9315A-Z Processor Board with 200MHz processor • Microsoft® Windows® WinCE 5.0 Operating System • Power Supply • Serial Cable

598-1144-ND (EDB9315A-Z) — ***RoHS Compliant*** **$312.50**

Embedded Processor Development System for EP9307

The EDB9307A-Z development kit is convenient, user-friendly, system-oriented platform that provides engineers with the necessary hardware, software, and drivers to evaluate and utilize the EP9037 processor capabilities, featrures and state-of-the-art technology. Performance is provided by a 200MHz ARM920T processor and features highly integrated peripheral interfaces including XGA LCD support with graphics accelerator.

EDB9307A-Z Platform Support and Features: • EP9307 processor • Linux® and Microsoft® Windows® WinCE 5.0 Operating Systems • 64MB of SDRAM • 32MB of Flash Memory • Serial EEPROM interface • 512KB SRAM • Real Time Clock • 2D Graphic Accelerator • Video Raster/LCD interface to provide data and interface signals for a variety of display types • Four-wire touchscreen interface • Supports analog VGA connection • Two full-speed USB host connections • USB slave connector • Two UARTs • Up to six-channel 24-bit audio output • AC '97 audio • 10/100Mpbs Ethernet • JTAG • Memory bus expansion connector

Downloadable Development Software: • A complete Linux Operating System with drivers (source code included) • BSP for Microsoft® Win CE 5.0 Operating Systems with drivers included • Evaluation copies of popular tools • Schematics and Gerbers • User Documentation

Kit includes: • Quick Start Guide • 4" x 6" form factor EDB9307A-Z Processor Board with 200MHz processor • Microsoft® Windows® WinCE 5.0 Operating System • Power Supply • Serial Cable

598-1133-ND (EDB9307A-Z) — ***RoHS Compliant*** **$312.50**

ERD-9307IPR Internet Protocol Radio

Built on the EP9307 200MHz ARM9® system-on-a-chip embedded platform. The IPR platform provides a low-cost solution for demonstrating and exploring the capability of using our products in internet radio applications. IPR is an appliance that directly attaches to the internet so users can access music from SHOUTcast® without the use of a PC or the dependence of an expensive media server.
Users can set up, configure and select stations using the 3.6-inch color TFT graphical interface, scroll wheel and 8-function button. Stations can be searched by name and stored in a favorites list for future access.
The IPR is designed to provide more than 10,000 stations from around the world using on "scroll and click" tuning knob. These products are designed to replace or enhance traditional self contained radios such as alarm clock radios or mini-component systems and intercom radios.

598-1281-ND (ERD-9307IPR) — ***RoHS Compliant*** **$606.25**

EDP7312 Development Kit

Provides the total system solution for developing and testing a very fast and highly integrated ARM system-on-chip solution. Allows for market specific microprocessor-based decoding of a wide variety of digital audio compression standards such as MP3, AAC, Audible, and Microsoft® Windows® Media Technologies 4.0, ADPCM.
A cost-effective platform that enables designers to rapidly bring hand-held information appliances, digital audio players and network interface devices to market.
Kit Contents: • EP7312 development board • Color LCD 320 x 240 with integrated touch panel • USB, Ethernet, Parallel and Serial cables • Durable Aluminum Enclosure • Board schematics in OrCad® 7.2 and PDF formats • Documentation on CD-ROM

598-1209-ND (EDB7312) **$625.00**

Processors

Description	Digi-Key Part No.	Price Each 1	Price Each 25	Cirrus Logic Part No.
ARM720T Processor, 48KB on-chip SRAM, LCD Controller, 90mW at 74MHz, 208-LQFP	598-1134-ND◆	19.55	17.60	EP7312-CVZ
ARM720T Processor, 48KB on-chip SRAM, LCD Controller, 90mW at 74MHz, 208-LQFP	598-1135-ND◆	22.61	19.10	EP7312-IVZ
166MHz ARM920T Processor, Ethernet, USB, 208-TQFP	598-1136-ND◆	20.00	18.00	EP9301-CQZ
200MHz ARM9 Processor with Math Crunch Engine, Ethernet, USB 208-LQFP	598-1137-ND◆	22.00	19.80	EP9302-CQZ
200MHz ARM9 Processor, Graphics and Math Engine, Ethernet, USB, LCD, Touchscreen, 272-TFBGA	598-1138-ND◆	26.75	22.60	EP9307-CRZ
200MHz ARM9 Processor, PCMCIA, Graphics and Math Engine, Ethernet, USB, LCD, Touchscreen, 352-PBGA	598-1139-ND◆	37.13	31.35	EP9315-CBZ
ARM720T Processor, 74MHz, 48KB on Chip SRAM, LCD Controller, Commercial Temperature, 256-PBGA	598-1210-ND	17.60	15.84	EP7309-CB
ARM720T Processor, 74MHz, 48KB on Chip SRAM, LCD Controller, Commercial Temperature, 256-PBGA	598-1211-ND◆	17.85	16.07	EP7309-CBZ
ARM720T Processor, 74MHz, 48KB on Chip SRAM, LCD Controller, Commercial Temperature, 208-LQFP	598-1213-ND	15.83	14.25	EP7309-CV
ARM720T Processor, 74MHz, 48KB on Chip SRAM, LCD Controller, Commercial Temperature, 208-LQFP	598-1214-ND◆	16.23	14.61	EP7309-CVZ
ARM720T Processor, 74MHz, 48KB on Chip SRAM, LCD Controller, Commercial Temperature, 256-PBGA	598-1220-ND	19.45	17.51	EP7311-CB
ARM720T Processor, 90MHz, 48KB on Chip SRAM, LCD Controller, Commercial Temperature, 256-PBGA	598-1221-ND	23.65	21.29	EP7311-CB-90
ARM720T Processor, 74MHz, 48KB on Chip SRAM, LCD Controller, Commercial Temperature, 208-LQFP	598-1224-ND	17.50	15.75	EP7311-CV
ARM720T Processor, 90MHz, 48KB on Chip SRAM, LCD Controller, Commercial Temperature, 208-LQFP	598-1225-ND	21.28	19.15	EP7311-CV-90
ARM720T Processor, 74MHz, 48KB on Chip SRAM, LCD Controller, Industrial Temperature, 256-PBGA	598-1226-ND◆	22.75	19.21	EP7311-IB
ARM720T Processor, 90Mhz, 48KB on Chip SRAM, LCD Controller, Industrial Temperature, 256-PBGA	598-1227-ND	18.47	17.24	EP7311-IB-90
ARM720T Processor, 74MHz, 48KB on Chip SRAM, LCD Controller, Industrial Temperature, 204-TFBGA	598-1228-ND	25.02	21.13	EP7311-IR
ARM720T Processor, 90MHz, 48KB on Chip SRAM, LCD Controller, Industrial Temperature, 204-TFBGA	598-1229-ND	30.44	25.71	EP7311-IR-90
ARM720T Processor, 74MHz, 48KB on Chip SRAM, LCD Controller, Industrial Temperature, 208-LQFP	598-1230-ND	22.73	20.46	EP7311-IV
ARM720T Processor, 90MHz, 48KB on Chip SRAM, LCD Controller, Industrial Temperature, 208-LQFP	598-1231-ND	24.86	21.00	EP7311-IV-90
ARM720T Processor, 74Mhz, 48KB on Chip SRAM, LCD Controller, Commercial Temperature, 256-PBGA	598-1232-ND	21.30	19.17	EP7312-CB
ARM720T Processor, 74MHz, 48KB on Chip SRAM, LCD Controller, Commercial Temperature, 256-PBGA	598-1234-ND◆	21.55	19.40	EP7312-CBZ
ARM720T Processor, 74MHz, 48KB on Chip SRAM, LCD Controller, Commercial Temperature, 204-TFBGA	598-1235-ND	21.58	19.42	EP7312-CR

◆ ***RoHS Compliant***

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